

ಸಂತ ಅಲೋಷಿಯಸ್ ಕಾಲೇಜು
(ಸ್ವಾಯತ್ತ)
ಮಂಗಳೂರು- 575 003



ST ALOYSIUS COLLEGE
(Autonomous)

P.B.No.720

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Re-accredited by NAAC with 'A' Grade - CGPA 3.62
Ranked 44 in College Category by NIRF, MHRD, Government of India
Recognised by UGC as "College with Potential for Excellence"
College with 'STAR STATUS' conferred by DBT, Government of India

No: SAC 40/Syllabus 2017-18

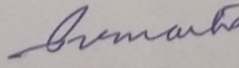
Date: 04-12-2017

NOTIFICATION

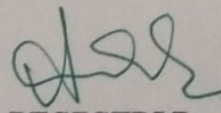
Sub: Syllabus of **Master of Computer Application**
(M.C.A) Course Under Choice Based Credit
System.

Ref: 1. Academic Council decision dated 28-10-2017
2. Office Notification dated 04-12-2017

Pursuant to the Notification cited under reference (2) above,
the Syllabus of **Master of Computer Application (M.C.A)** Course
under Choice Based Credit System is hereby notified for
implementation with effect from the academic year **2017-18**.


PRINCIPAL




REGISTRAR

To:

1. The Chairman/Dean/HOD.
2. The Registrar
3. P.G Library
4. P.G Office

Master of Computer Applications - MCA

I SEMESTER

Sl No	Subject Code	Subject Title	Type	Credits	Total No of Hours	Lecture Hrs / week	Theory Exam duration (hours)	Practical Exam duration (hours)	Max Marks for Internal Assessment	Max. Marks for Term End Exam	Total Marks
1	PH 601.1	Digital Logic & Computer Organization	HC	4	45	4	3	---	30	70	100
2	PH 602.1	Principles of Programming & Program Design	HC	4	45	4	3	---	30	70	100
3	PH 603.1	Programming with C	HC	4	45	4	3	---	30	70	100
4	PH 604.1	Principles of Management for Enterprise IT	HC	4	45	4	3	---	30	70	100
5	PH 605.1 P	Digital Logic & C Programming Lab	HCL	2	90	6	---	3	30	70	100
5	PS 606.1	Statistical Techniques for Computing	SC	3	45	3	3	---	30	70	100
7	PS 607.1 P	Business Analytics using Excel & Matlab	SCL	2	90	6	---	3	30	70	100
8	PS 608.1	Soft Skills - I	---	1	30	2	---	---	50	---	50
		Total		24					260	490	750

* HC - Hard Core SC - Soft Core HCL - Hard Core Lab SCL - Soft Core Lab OE - Open Elective

II SEMESTER

Sl No	Subject Code	Subject Title	Type	Credits	Total No of Hours	Lecture Hrs / week	Theory Exam duration (hours)	Practical Exam duration (hours)	Max Marks for Internal Assessment	Max. Marks for Term End Exam	Total Marks
1	PH 601.2	Data Communication & Networks	HC	4	45	4	3	—	30	70	100
2	PH 602.2	Advanced Operating Systems	HC	4	45	4	3	—	30	70	100
3	PH 603.2	Object Oriented Programming with Java	HC	4	45	4	3	—	30	70	100
4	PH 604.2	Data Structures and Analysis of Algorithms	HC	4	45	4	3	—	30	70	100
5	PH 605.2 P	Data Structures and Java Programming Lab	HCL	2	90	6	—	3	30	70	100
6	PS 606.2	Probability & Stochastic Process	SC	3	45	3	3	—	30	70	100
7	PS 607.2 P	Web Design Lab with HTML5, CSS, Java Script	SCL	2	90	6	—	3	30	70	100
8	PS 608.2	Soft Skills - II	—	1	30	2	—	—	50	—	50
		Total		24					260	490	750

* HC - Hard Core SC - Soft Core HCL - Hard Core Lab SCL - Soft Core Lab OE - Open Elective